

BATTERY POWERED IONISATION SMOKE ALARM
WITH TORCH TEST AND ESCAPE LIGHT[®] FEATURE
Models SA150CECN, SA150CEC-BXN

IMPORTANT! PLEASE READ CAREFULLY AND SAVE.

This user's manual contains important information about your Smoke Alarm's operation. If you are installing this Smoke Alarm for use by others, you must leave this manual—or a copy of it—with the end user.



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*All First Alert[®] Smoke Alarms conform to regulatory requirements, including BS5446: Pt. 1:2000 and are designed to detect particles of combustion. Smoke particles of varying number and size are produced in all fires.

Ionisation technology is generally more sensitive than photoelectric in greater amounts by flaming fires, which consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a wastebasket, or a grease fire in the kitchen.

[P] Photoelectric technology is generally more sensitive than ionisation in greater amounts by smouldering fires, which tend to be produced in hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding.

For maximum protection, use both types of Smoke Alarms on each level and in every bedroom of your home.

FIRE SAFETY TIPS

Follow safety rules and prevent hazardous situations: 1) Use smoking materials properly. Never smoke in bed. 2) Keep matches or lighters away from children; 3) Store flammable materials in proper containers; 4) Keep electrical appliances in good condition and don't overload mains circuits; 5) Keep cookers, barbecue grills, fireplaces and chimneys grease- and debris-free; 6) Never leave anything heating on the cooker unattended; 7) Keep portable heaters and open flames, like candles, away from flammable materials; 8) Don't let rubbish accumulate.

Keep alarms clean, and test them weekly. Replace alarms immediately if they are not working properly. Smoke Alarms that do not work cannot alert you to a fire. Keep at least one working fire extinguisher on every floor, and an additional one in the kitchen along with a fire blanket. Have fire escape ladders or other reliable means of escape from an upper floor in case stairs are blocked.

BEFORE YOU INSTALL THIS SMOKE ALARM
IMPORTANT! Read "Recommended Locations for Smoke Alarms" and "Locations to Avoid for Smoke Alarms" before beginning. This unit monitors the air, and when smoke reaches its sensing chamber, it sounds an alarm. It can give you more time to escape before fire spreads. This unit can ONLY give an early warning of developing fires if it is installed, maintained and located where smoke can reach it, and where all residents can hear it, as described in this manual. This unit will not sense gas, heat, or flame. It cannot prevent or extinguish fires.

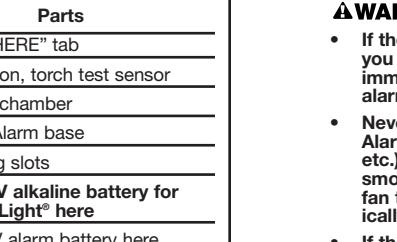
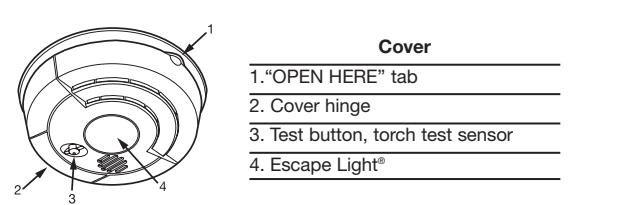
Understand The Different Type of Smoke Alarms
Battery powered or mains powered? Different Smoke Alarms provide different types of protection. See "About Smoke Alarms" for details.

Know Where To Install Your Smoke Alarms
Fire Safety Professionals recommend at least one Smoke Alarm on every level of your home, in every bedroom, and in every bedroom hallway or separate sleeping area. See "Recommended Locations For Smoke Alarms" and "Locations to Avoid For Smoke Alarms" for details.

Check Your Local Building Regulations
This Smoke Alarm is designed to be used in a typical single-family residence. It alone may not meet requirements for boarding houses, sheltered housing, hotels, motels, hostels, inns or community escape routes in blocks of flats. See "Special Compliance Considerations" for details.

WARNING!
• This unit will not alert hearing impaired residents. It is recommended that you install special units which use devices like flashing strobe lights to alert the hearing impaired.
• Do not connect this unit to any other alarm or auxiliary device. It is a stand-alone unit that cannot be linked to other devices. Connecting anything else to this unit may prevent it from working properly.
• Unit will not operate without battery power. The Smoke Alarm cannot work until you install the battery in the correct position (Match "+" to "+" and "-" to "-").
• This Smoke Alarm has a battery guard which prevents it from closing unless a battery is installed. This warns you the unit will not operate without a battery.

CAUTION!
• Do not install this unit over a mains cable junction box or holes in the ceiling. Air currents can prevent smoke from reaching the sensing chamber and prevent the unit from alarming. Only mains (AC) powered units are intended for installation over mains cables.
• Do not stand too close to the unit when the alarm is sounding. It is loud to wake you in an emergency. Exposure to the horn at close range may harm your hearing.
• Do not paint over the unit. Paint may clog the openings to the sensing chamber and prevent the unit from operating properly.

HOW TO INSTALL THIS SMOKE ALARM
THE PARTS OF THIS SMOKE ALARM

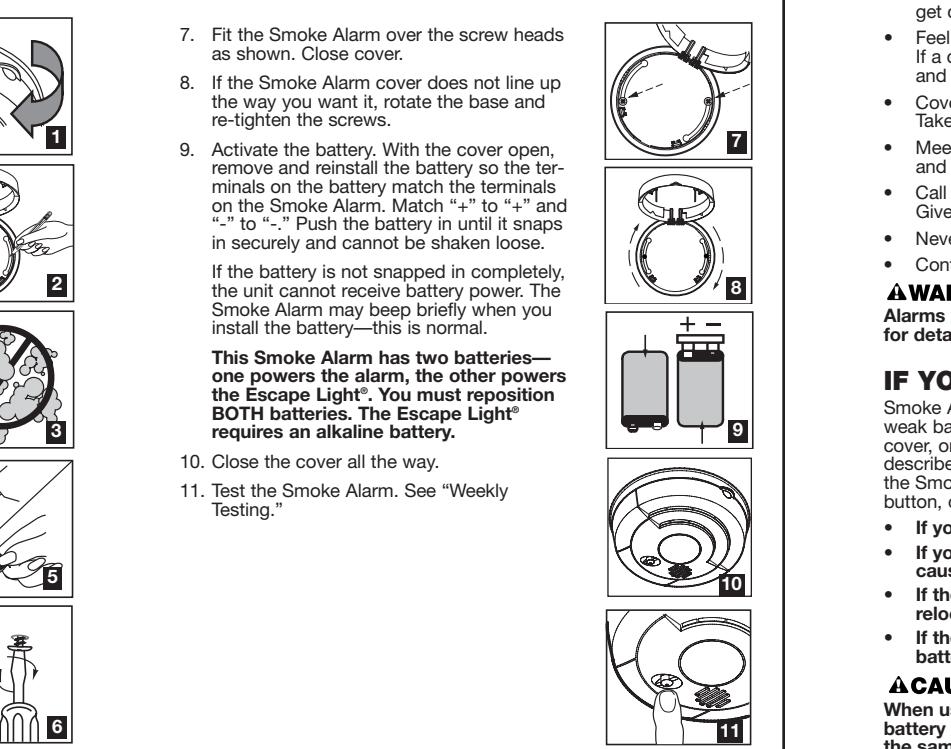
FOLLOW THESE SIMPLE STEPS!

This unit is designed to be mounted on the ceiling, or on the wall if necessary.

Tools you will need:

- Pencil
- Drill with 5 mm (3/16 inch) drill bit
- Standard/Flathead screwdriver
- Hammer

1. Hold base firmly and pull up on cover tab marked "OPEN HERE." This will open the hinged cover. The cover may unsnap from the base if it's opened too far. This will not damage the unit—the cover hinge snaps back into place easily.
2. Hold the Smoke Alarm base against the ceiling (or wall) and make a mark at the centre of each of the mounting slots with a pencil.
3. Put the unit where it won't get covered with dust when you drill the mounting holes.
4. Using a 5 mm (3/16 inch) drill bit, drill a hole through each pencil mark.
5. Insert the plastic screw anchors (in the plastic bag with screws) into the holes. Tap the screw anchors gently with a hammer, if necessary, until they are flush with the ceiling or wall.
6. Tighten the screws (provided) into the screw anchors, then loosen them two turns.



WEEKLY TESTING

WARNING!

NEVER use an open flame of any kind to test this unit. You might accidentally damage or set fire to the unit or to your home.

The built-in test switch accurately tests the unit's operation as required by British Standards (BSI). If you choose to use an aerosol smoke product to test the Smoke Alarm, be certain to use one that has been certified to British Safety Standards, and use it only as directed. Use of non-BSI certified products or improper use of BSI certified products may affect the Smoke Alarm's sensitivity.

It is important to test this unit every week to make sure it is working properly. Using the test button is the recommended way to test this Smoke Alarm. Press and hold the test button on the cover of the unit until the alarm sounds (the unit may continue to alarm for a few seconds after you release the button). If it does not alarm, make sure the unit is receiving power and test it again. If it still does not alarm, replace it immediately. During testing you will hear a loud, repeating horn pattern: beep, beep, beep...

USING THE TORCH TEST FEATURE

These Smoke Alarms have a Torch Test Feature which activates the test button when you wave a strong torch beam across the sensor.



The Torch Test method works best on flat ceilings up to 4.5 metres (15 feet) high. Wave a torch with a strong beam rapidly back and forth in a straight line across the test button—at least 1 metre (3 feet) in each direction—until the alarm sounds. If this method does not work, use the test button to make sure the alarm is working. If it alarms, try the Torch Test method again, making sure to wave the torch very rapidly across the test button. You may need to test wall-mounted units, or units on peaked or gabled ceilings manually.

TESTING ESCAPE LIGHT[®] FEATURE

The Escape Light[®] should always shine during testing. If the horn sounds, but the light does not shine, install a fresh alkaline battery in the "ALKALINE ONLY" battery slot, make sure the bulb is not burned out, and re-test. If the light still does not shine, the unit should be replaced. The low battery warning "chirp" only identifies that the battery powering the alarm is getting weak. Testing the Smoke Alarm is the only way to make sure the Escape Light[®] is working properly.

A Smoke Alarm can help alert you to fire, giving you precious time to escape. It can only sound an alarm once smoke reaches the sensor. See "Limitations of Smoke Alarms" for details.

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• Do not stand too close to the unit when the alarm is sounding. It is loud to wake you in an emergency. Exposure to the horn at close range may harm your hearing.
• Do not paint over the unit. Paint may clog the openings to the sensing chamber and prevent the unit from operating properly.

IF THIS SMOKE ALARM SOUNDS

RESPONDING TO AN ALARM

During an alarm, you will hear a loud, repeating horn pattern: beep, beep...

WARNING!

- If the unit alarms and you are not testing the unit, it is warning you of a potentially dangerous situation that requires your immediate attention. NEVER ignore any alarm. Ignoring the alarm may result in injury or death.
- Never remove the batteries from a battery operated Smoke Alarm to stop an unwanted alarm (caused by cooking smoke, etc.). Removing batteries disables the alarm so it cannot sense smoke, and removes your protection. Instead open a window or fan the smoke away from the unit. The alarm will reset automatically.

- If the unit alarms get everyone out of the house immediately.

WHAT TO DO IN CASE OF FIRE

- Don't panic; stay calm. Follow your family escape plan.

- Get out of the house as quickly as possible. Don't stop to get dressed or collect anything.

- Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Don't open a hot door. Keep doors and windows closed, unless you must escape through them.

- Cover your nose and mouth with a cloth (preferably damp). Take short, shallow breaths.

- Meet at your planned meeting place outside your home, and do a head count to make sure everyone got out safely.

- Call the Fire Brigade as soon as possible from outside. Give your address, then your name.

- Never go back inside a burning building for any reason.

- Contact your Fire Brigade for ideas on making your home safer.

WARNING!

Alarms have various limitations. See "Limitations of Smoke Alarms" for details.

IF YOU SUSPECT A PROBLEM

Smoke Alarms may not operate properly because of dead, missing or weak batteries, a build-up of dirt, dust or grease on the Smoke Alarm cover, or installation in an improper location. Clean the Smoke Alarm as described in "Regular Maintenance," and install a fresh battery, then test the Smoke Alarm again. If it fails to test properly when you use the test button, or if the problem persists, replace the Smoke Alarm immediately.

- If you hear a "chirp" once a minute, replace the battery.

- If you experience frequent non-emergency alarms (like those caused by cooking smoke), try relocating the Smoke Alarm.

- If the alarm sounds when no smoke is visible, try cleaning or relocating the Smoke Alarm. The Alarm may be dirty or dusty.

- If the alarm does not sound during testing, try installing a new battery, and make sure it is snapped in securely.

CAUTION!

When using a lithium battery there is a danger of explosion if the battery is incorrectly replaced. Replace a lithium battery only with the same or equivalent type.

- If the Escape Light[®] does not light during testing, make sure both batteries are fresh and installed correctly (the alkaline battery must be inserted in the slot marked "ALKALINE ONLY"). Make sure the bulb is working properly. If you suspect the bulb is burned out, please telephone our Customer Service Dept. on 01275 845024 to purchase a new one (if the bulb is still under guarantee, it will be replaced free of charge).

- If the Alarm doesn't sound when trying the Torch Test Feature, make sure your torch has a strong beam. This feature works best on flat ceilings. If you have a peaked or gabled ceiling, you may have to use the test button manually.

DO NOT FIX THE ALARM YOURSELF - THIS WILL VOID YOUR GUARANTEE!

If the Smoke Alarm is still not operating properly, and it is still under guarantee, please see "How to Obtain Guarantee Service" in the Limited Guarantee below.

LIMITED GUARANTEE

BRK Brands Europe Ltd. ("the Company") guarantees its enclosed Smoke Alarm—but not the battery—to be free from defects in materials and workmanship under normal use and service for a period of ten years from the date of purchase. BRK Brands Europe Ltd. makes no other express guarantee for this Smoke Alarm. No agent, representative, dealer or employee of the Company has the authority to increase or alter the obligations or limitations of the Guarantee. The Company's obligation of this Guarantee shall be limited to the repair or replacement of any part of the alarm which is found to be defective in materials or workmanship under normal use and service during the ten year period commencing with date of purchase. The Company shall not be obligated to repair or replace alarms which are found to be in need of repair because of damage, unreasonable use, modifications or alterations occurring after the date of purchase.

CHOOSING A REPLACEMENT BATTERY:

Your Smoke Alarm requires a standard 9V battery. The following batteries are acceptable as replacements: Duracell #MN1604; Energizer #522, #6LR61; Eveready #1222, #PP3S, #6LF22; Gold Peak #1604P, #1604S. You may also use the Ultralife U9V-LJ lithium battery for longer service life between battery changes. These batteries are available at many local retail stores.

CAUTION!

When using a lithium battery there is a danger of explosion if the battery is incorrectly replaced. Replace a lithium battery only with the same or equivalent type.

IMPORTANT!

Most carbon zinc batteries have an average service life of 1 year; most alkaline batteries have an average service life of 1-2 years; most Lithium batteries have an average service life of 6-10 years. Actual battery service life depends on the Smoke Alarm and the environment in which it is installed. All the batteries specified above are acceptable replacement batteries for this unit. Regardless of the manufacturer's suggested battery life, you MUST replace the battery immediately once the unit starts "chirping" (the "low battery warning").

MORE SPECIFICALLY, INSTALL SMOKE ALARMS:

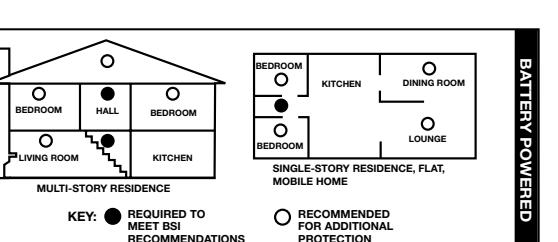
- Where temperatures normally remain between 4°C (40°F) and 38°C (100°F).
- On every level of your home, including finished attics.
- Inside every bedroom, especially if people sleep with doors closed.
- In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each.
- If a hall is over 7.5 metres (25 feet) long, install an alarm at each end.
- At the top of the first-to-second floor and subsequent floor stairways, and at the bottom of the ground floor stairway.

IMPORTANT!

Specific requirements for Smoke Alarm installation may vary from region to region. Check with your local Fire Brigade and Building Control for current requirements in your area.

See "Recommended Locations For Smoke Alarms" diagram on the following page.

RECOMMENDED LOCATIONS FOR SMOKE ALARMS



BRITISH STANDARDS (BSI) RECOMMENDATIONS

BS 5839 Part 6 (Code of practice for the design and installation of fire detection and alarm systems in dwellings)

Smoke Alarms should be installed in all circulation spaces (normally hallways and staircases) that form part of escape routes, one on every level, and in all rooms and areas that present a high fire risk. Additionally, Smoke Alarms should also be installed between the sleeping area(s) and the most likely sources of fire (living room and kitchen).

If there are long hallways, corridors, or protected rooms or areas over 7.5 metres (2